

ELECTRICAL FEEDTHROUGH IN A HERMETICALLY SEALED DATA STORAGE DEVICE

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Abstract of the Disclosure

An electrical feedthrough is provided to establish an electrical conduction path from an interior of a hermetically sealed housing to an exterior environment. The feedthrough comprises an elongated electrically conductive pin having opposing proximal and distal ends and a medial portion configured to be supported within a corresponding aperture in a first housing member. A first cantilevered spring contact is affixed to and projects from a selected one of the proximal and distal ends of the pin. Preferably, a second cantilevered spring contact is further affixed to and projects from the remaining one of the proximal and distal ends of the pin. A plurality of feedthroughs are preferably affixed through an insertion member to form a feedthrough assembly which is then affixed adjacent an aperture in the first housing member. An insulating member in the plate preferably supports and isolates a pair of the pins to transmit a differential signal.